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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

04/02/2004

EXAMINER
ADDISON, KAREN B

Keating & Bennett LLP Suite 312 10400 Eaton Place Fairfax, VA 22030

ART UNIT PAPER NUMBER

2834

DATE MAILED: 04/02/2004

APPLICATION NO.	FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/052,370	01/23/2002	Hiroki Watanabe	36856.602	6398

TITLE OF INVENTION: SURFACE ACOUSTIC WAVE APPARATUS AND COMMUNICATION UNIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/02/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THE STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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INSTRUCTIONS: This for appropriate. All further corr indicated unless corrected b maintenance fee notification.	respondence including the le elow or directed otherwise	Patent advance ord	ders and notification	on of maintenance fees v	vill be mailed to the current	correspondence address	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)				Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, m			
75	90 04/02/2004			have its own certificate of mailing or transmission.			
Keating & Bennet	tt LLP			Cer	rtificate of Mailing or Tran	smission	
Suite 312				I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim			
10400 Eaton Place Fairfax, VA 22030				addressed to the Mai transmitted to the USF	I Stop ISSUE FEE address TO, on the date indicated be	s above, or being facsim low.	
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10/052,370	01/23/2002	•	Hiroki Watana	ibe	36856.602	6398	
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nonprovisional	NO	\$1330		\$300	\$1630	07/02/2004	
EXAM	INER	ART UN	іт І	CLASS-SUBCLASS	1		
ADDISON,		2834		310-31300B	J		
1. Change of correspondence	address or indication of "Fe	ee Address" (37	2. For printing	on the patent front page,	list (1) the		
CFR 1.363).		·	names of up t	o 3 registered patent a	ttornèys or 1		
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PTO/SB/47; Rev 03-02 o Number is required.	r more recent) attached. Use	e of a Customer	will be printed.	ents. If no name is fister	3	<u> </u>	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (nrir	nt or type)			
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been previously submitted (A) NAME OF ASSIGNE					ssignee data is only appropri T a substitute for filing an ass	signment.	
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4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): ☐ Issue Fee ☐ A check in the amount of the fee(s) is enclosed.							
□ Publication Fee □ Payment by credit card. Form PTO-2038 is attached.							
☐ Advance Order - # of Copies ☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment Deposit Account Number (enclose an extra copy of this form).							
Director for Patents is reques	ted to apply the Issue Fee a						
(Authorized Signature)		(Date)					
NOTE; The Issue Fee and	Publication Fee (if require	ed) will not be acc	cepted from anyon	ne n			
other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.							
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any completes on the amount of time very required to the complete application.							
application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the							
completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or							
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10/052,370	01/23/2002	Hiroki Watanabe	36856.602 6398		
75	90 04/02/2004		EXAM	EXAMINER	
Keating & Bennett LLP			ADDISON, KAREN B		
Suite 312 10400 Eaton Place		·	ART UNIT	PAPER NUMBER	
Fairfax, VA 22030			2834		
			DATE MAILED: 04/02/2004	1	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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	Application No.	Applicant(s)					
Notice of Allowability	10/052,370	WATANABE Art Unit					
House of Anowasinty	Examiner	Art Oliit					
·	Karen B Addison	2834					
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS					
1. This communication is responsive to <u>12/29/2003</u> .							
2. The allowed claim(s) is/are <u>1-20</u> .							
3. \boxtimes The drawings filed on $\underline{1/23/2003}$ are accepted by the Exam	niner.	i					
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 							
	Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give							
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.						
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-9	948) attached					
1) ☐ hereto or 2) ☐ to Paper No./Mail Date							
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date							
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).							
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)							
1. Notice of References Cited (PTO-892)	_	atent Application (PTO-152)					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary (Paper No./Mail Date 8), 7. ☐ Examiner's Amendm						
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>2-5-04</u> 	8), 7. Examiner's Amendm	nent/Comment					
4. Examiner's Comment Regarding Requirement for Deposit		ent of Reasons for Allowance					
of Biological Material	9. 🔲 Other						
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Response to Arguments

1. Applicant's argument, see pages 7-13, filed 12/29/2003, with respect to claims 1-14 have been fully considered and are persuasive. The non-final rejection of claims 1-14 has been withdrawn.

Allowable Subject Matter

2. Claims 1-20 are allowed.

The following is an examiner's statement of reasons for allowance: Prior art fails to show, a surface acoustic wave device having at least one interdigital electrode and balanced signal terminals provided for at least one of an input side and an output side; a multil-layered retaining substrate including external terminals for connecting the balanced signal terminals to an external device, the multi layered retaining substrate being provided to retain the surface acoustic surface of the multi-layered retaining substrate; and an electrical circuit provided between layers of the multi-layered retaining substrate such that the electrical circuit is located between the balanced signal terminals and the external terminals so as to increase a balance degree between the balanced signal terminals. Prior art also fails to show, Prior art fails to show, a surface acoustic wave device provided on a piezoelectric substrate including two balanced signal terminals and an unbalanced signal terminal connected to the external device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 571-272-2017. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1317. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KBA 3/20/04

HOMAS M. DOUGHEPTY
PRIMARY EXAMINER
GROUP 2400